

20030707.qrp v02_n974.qrl.20030707

Date: Mon, 7 Jul 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2974

QRP-L Digest 2974

Topics covered in this issue include:

- 1) [153693] Only a day left!!!
by "Don Jackson (AE5K)" <don@azark.com>
- 2) [153694] K5TR log
by Bruce Rattray <rattray@gpfn.sk.ca>
- 3) [153695] FS: Small Wonder Labs WM-20 SSB XCVR - \$145
by rickmorrison@att.net
- 4) [153696] QRP ARCI Summer Homebrew Contest
by Randy Foltz <rfoltz@turbonet.com>
- 5) [153697] Fox - Summer Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 6) [153698] Why I stay here
by Karl Larsen <k5di@msn.com>
- 7) [153699] Re: Alternative QRP-L
by Rick McKee <kc8aon@juno.com>
- 8) [153700] Re: CW Contest Trainer
by Hank Kohl K8DD <k8dd@arrl.net>
- 9) [153701] FS: MFJ 9020 with keyer & filter
by Fghester@aol.com
- 10) [153702] Down East Microwave Transverter for sale
by "Glenn Maclean" <wa7spy@attbi.com>
- 11) [153703] Announcing the Colorado 14er Awards
by "Paul Ermisch" <paul@ermisch.com>
- 12) [153704] Re: Portable Antennas
by James Bennett <jwbennett@sprintmail.com>
- 13) [153705] Re: Trail friendly key?
by Lee Boulineau <n4mvl@yahoo.com>
- 14) [153706] Re: Cat5 for feedline
by Fran Flynn <fflynn@adelphia.net>
- 15) [153707] Re: Portable Antennas
by Lee Boulineau <n4mvl@yahoo.com>
- 16) [153708] Re: Why I stay here
by Bill Stietenroth <k5zty@juno.com>
- 17) [153709] Interesting Antenna -- W5GI Multiband
by Steve.Lawrence@ITWFEG.COM
- 18) [153710] 6 Meter Beacon
by Jason Hissong <jhissong1@columbus.rr.com>
- 19) [153711] Re: Norcal Keyer and Low Quiescent Current Regulators

- by Larry East <w1hue@amsat.org>
- 20) [153712] Spartan Sprint Tonight!
by "John Huffman" <hjohnc@core.com>
- 21) [153713] RE: Why I Stay Here
by "John Sielke" <jsielke@pobox.com>
- 22) [153714] Re: Interesting Antenna -- W5GI Multiband
by Karl Larsen <k5di@msn.com>
- 23) [153715] Re: Only a day left!!!
by Alex <kr1st@amsat.org>
- 24) [153716] Rockmite
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 25) [153717] Re: Why I Stay Here
by Alex <kr1st@amsat.org>
- 26) [153718] Re: Portable Antennas
by Karl Larsen <k5di@msn.com>
- 27) [153719] Re: Why I stay here
by Bruce Muscolino <w6toy@erols.com>
- 28) [153720] Re: Rockmite
by "Rod NØRC" <rod@nØrc.us>
- 29) [153721] RE: 5 Meg signals
by "Steve Blary" <steve@eclipsecat.com>
- 30) [153722] Re: Alternative QRP-L
by Bruce Muscolino <w6toy@erols.com>
- 31) [153723] Re: Interesting Antenna -- W5GI Multiband
by Steve.Lawrence@ITWFEG.COM
- 32) [153724] Re: Rockmite
by Dale Botkin <dale@botkin.org>
- 33) [153725] Re: 5 Meg signals
by Alex <kr1st@amsat.org>
- 34) [153726] Re: Portable Antennas
by Lee Boulineau <n4mvl@yahoo.com>
- 35) [153727] WTB: MFJ 9420 SSB Travel Radio
by rsstone@juno.com
- 36) [153728] RE: 5 Meg signals
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 37) [153729] RE: Spartan Sprint Tonight!
by "Doc KØEVZ" <dockØevz@earthlink.net>
- 38) [153730] WARC QRP Reporting Page is On-Line
by "Ward Silver" <hwardsil@centurytel.net>
- 39) [153731] Re: [ham] Re: Norcal Keyer and Low Quiescent Current Regulators
by KD5NWA <KD5NWA@cbayona.com>
- 40) [153732] RE: 5 Meg signals
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 41) [153733] Antenna Switch as radio switch
by "Scott A. Thomas" <qrp1@DpPros.com>
- 42) [153734] Why didn't someone say sumthin...
by hamjoel@juno.com
- 43) [153735] Re: Antenna Switch as radio switch

by William R Colbert <w5xe@juno.com>
44) [153736] Re: Antenna Switch as radio switch
by "Dave Sjolín" <sjolin@swbell.net>
45) [153737] Re: Only a day left!!!
by "cal.jsi" <cal.jsi@verizon.net>
46) [153738] Re: 5 Meg signals
by Alex <kr1st@amsat.org>
47) [153739] FS E850138 K2 Temperature Compensated PLL Reference Upgrade
by "Rod N0RC" <rod@n0rc.us>
48) [153740] Re: 5 Meg signals
by Alex <kr1st@amsat.org>
49) [153741] Re: Why didn't someone say sumthin...
by Alex <kr1st@amsat.org>
50) [153742] CW adapter nereded
by "John" <jdorson@worldshare.net>
51) [153743] RE: Antenna Switch as radio switch
by "Scott A. Thomas" <qrp1@DpPros.com>
52) [153744] RE: Why didn't someone say sumthin...
by "Boulineau, Lee" <lee.boulineau@attws.com>
53) [153745] Wanted: A short (long) wire tuner
by "Laurent C. Lafond" <aa1qj@earthlink.net>
54) [153746] Btw
by Alex <kr1st@amsat.org>
55) [153747] Suse 8.2 CDs
by "Hugo W. Catta" <hugo@optonline.net>
56) [153748] Re: Why didn't someone say sumthin...
by Sam Smith <sam.smith@ece.gatech.edu>
57) [153749] RE: Wanted: A short (long) wire tuner
by "David Hinerman" <WD8CIV@worldnet.att.net>
58) [153750] RE: Btw
by "Boulineau, Lee" <lee.boulineau@attws.com>
59) [153751] Re: Antenna Switch as radio switch
by Bob Nielsen <nielsen@oz.net>
60) [153752] Re: Btw
by "Brian Murrey - KB9BVN" <brian@iquest.net>
61) [153753] Re: 5 Meg signals
by "SGC Tech" <sgctech@sgcworld.com>
62) [153754] Re: [TenTec] Antenna Analyzers
by "Stuart Rohre" <rohre@arlut.utexas.edu>
63) [153755] Ungar/Archer module solder iron - Sell/trade
by "Scott A. Thomas" <qrp1@DpPros.com>
64) [153756] RE: Btw
by "Bob & Janet" <jbcraft@adelphia.net>
65) [153757] Re: Antenna Switch as radio switch - longish
by Ed Tanton <n4xy@earthlink.net>
66) [153758] Re: Interesting Antenna -- W5GI Multiband
by Ed Tanton <n4xy@earthlink.net>
67) [153759] Re: [TenTec] Antenna Analyzers

by Karl Larsen <k5di@msn.com>
68) [153760] Re: Wanted: A short (long) wire tuner
by William R Colbert <w5xe@juno.com>
69) [153761] Re: Antenna Switch as radio switch
by "Nick Kennedy" <nkennedy@tcainternet.com>

Date: Sun, 06 Jul 2003 16:33:17 -0500
From: "Don Jackson (AE5K)" <don@azark.com>
To: qrp-1@Lehigh.EDU
Subject: [153693] Only a day left!!!
Message-ID: <3F084F4D.10883.19A1663@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi Everyone...

Tomorrow, Monday, July 7, 2003, is the DEADLINE for filing comments with the FCC on Docket 03-104, also known as the Notice Of Inquiry (NOI) for Broadband over Power Lines (BPL).

As of July 3, there were 1,521 comments filed. Unfortunately, some idiots have thought it smart to file the very same comment multiple times (counted at least 6 for one idiot filing on July 3). Others have the tone of a whiner. You can read them on the FCC web page.

Your thought out comments may help. Maybe so, maybe not.

If you like QRP on HF bands, then this is a chance to possibly save this mode of operation.

I filed my comments this afternoon. It is quite easy (in fact too easy for some idiots ;-) to file them. It costs nothing but a little time. Best procedure, go to ARRL website (<http://www.arrl.org>) and click on the story link about BPL. It then gives you further links to follow to read up on it, etc. and a link to FCC website to file. Once I had my comments composed (in a separate file in my case), it took only a few seconds to file the comments on the FCC website ... and for the FCC, not too complicated either!

Anyone interested in seeing my comments, they are also posted on my website at:

<http://ae5k.us/BPL%2003-104.html>

72/73,
Don AE5K

Date: Sun, 6 Jul 2003 15:57:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [153694] K5TR log
Message-ID: <Pine.LNX.4.33.0307061557330.3803-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have it now...thanks to all...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 06 Jul 2003 22:05:03 +0000
From: rickmorrison@att.net
To: qrp-l@lehigh.edu
Subject: [153695] FS: Small Wonder Labs WM-20 SSB XCVR - \$145
Message-ID: <200307062205.h66M54i0008814@rain.CC.Lehigh.EDU>

FOR SALE

Small Wonder Labs WM-20 SSB XCVR - \$145
Includes USPS shipping to CONUS only

The White Mountain 20 (WM-20) is a 20m qrp ssb transceiver from Small Wonder Labs. I built this one from the kit and it has been aligned by Steve Weber. Approximately 3 watts out and it tunes about 200 khz (adjustable) of the 20m band. It is in the official Small Wonder Labs enclosure with 10-turn pot, CW freq readout, etc. All manuals, left-over parts, etc. included. BTW, the WM-20 is no longer offered by Small Wonder Labs.

(Preferably contact me at "kb9tkg @ esoftserve.org" rather than the e-mail address on this message.)

Thanks,

Rick Morrison, KB9TKG

Date: Sun, 06 Jul 2003 15:01:20 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post <qrp-1@lehigh.edu>
Subject: [153696] QRP ARCI Summer Homebrew Contest
Message-ID: <3F089C30.5C897D09@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark you calendars because just a week from today is the QRP ARCI Summer Homebrew Sprint. This year's event has a new very low power wrinkle. I've added a 20 X power multiplier for those of you daring enough to run 55 mW or less.

Contest: Summer Homebrew Contest

Date: July 13, 2000Z through 2400Z

How to participate: Get on any of the HF bands near the QRP frequencies except the WARC bands. Listen for stations sending CQ QRP or CQ TST. Or send either of those yourself. Work as many stations as you can on as many bands as possible.

What to say: Give a signal report, your state (if in USA) or your province (if in Canada) or your country (if anywhere else), and finally your ARCI member number or your power if you are not a member.

Best reason to participate: An excellent opportunity work both old and new QRP friends in a QRP friendly contest.

Relative challenge: If the bands cooperate, it will be an easy time. If they act like they have the last few weeks, it will be a bit more of a challenge. Regardless, it will be a low pressure event with enough stations to make it worthwhile.

Web Link: <http://personal.palouse.net/rfoltz/arci/sumhom.htm>

+++++

That was the quick summary. Here are the further details.

QSO Points: Each member is worth 5 points, each non-member on same continent is worth 2 points, and each nonmember on a different continent is worth 4 points.

Multipliers: Total of states, provinces, and countries for ALL bands. These are called SPCs.

Power Multiplier:

< 55 mW = x 20 <=== NEW!!!
55 to < 250 mW = x 15
250 mW to < 1 W = x 10
1 W to 5 W = x 7
> 5 W = x 1

Bonus Points for homebrew gear (per band):

Add 2,000 points for using HB transmitter
Add 3,000 points for using HB receiver
Add 5,000 points for using HB transceiver
if you built it, it is homebrew!

Final Score

QSO Points x Total SPCs X Power Mult + Bonus Points

Use the High Claimed Score Form at

<http://personal.palouse.net/rfoltz/arci/form.htm> to send me your summary, then send me a copy of your log to rfoltz@turbonet.com Check the High Claimed Scores page at <http://personal.palouse.net/rfoltz/arci/highclm.htm> each night after 9 PM PDT to see how others have done.

You can also send your results and logs via regular mail to

Randy Foltz
809 Leith St.
Moscow, ID 83843

Let's hope we can get some cooperation from the bands.

--

73,
Randy, K7TQ
Moscow, ID
QRP ARCI Contest Chairman

Date: Sun, 6 Jul 2003 16:31:37 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [153697] Fox - Summer Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0307061629280.5480-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #10 - K5TR -

The Cajun Thunder - 30

Wayne - K5E0A
Vern - AA50
Wayne - N5YFC *
Jim - N5IB *
Mike - VA6MJT

The Cheeseheads - 0

Jerry - N9AW
Rick - NK9G
Jim - WA9TZE
Gary - W9XT
and one more.

The NE-TX Tornados - 40

Lew - N5ZE *
Joe - KK5NA
Wayne - W5KDJ
Doc - W5TB
George - W5YR

...any corrections, please e-mail me direct...72 - Bruce (VE5RC+VE5QRP)

Date: Sun, 6 Jul 2003 17:01:33 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: qrp-1@lehigh.edu

Subject: [153698] Why I stay here
Message-ID: <Pine.LNX.4.44.0307061654500.2148-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There is need for a list moderator. When the messages get too far away from the QRP radio subject then it's time to ask posters to either stay on topic or stop sending messages. And other important functions.

An un-moderated list ALWAYS at some point becomes a worthless mess. Few un-moderated lists exist for this reason.

So I will stay with the true QRP-L which has some things I do not like and lots of things I do like. This is the normal condition.

72, karl

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 6 Jul 2003 19:41:03 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [153699] Re: Alternative QRP-L
Message-ID: <20030706.195528.9118.0.kc8aon@juno.com>

IN MY OPINION, I feel that anything Amateur radio or QRP related should be allowed on this list ! After all, it is an Amateur Radio / QRP list !

I could understand someone getting upset if the subject line read something like "DING DONG - AVON CALLING" or "BEANIE BABIES FOR SALE OR TRADE", but I just can't figure out why so many folks get so upset with some Amateur Radio / QRP related subjects. I've seen a lot of stuff on here that didn't relate to Amateur Radio or QRP, but I didn't get all bent out of shape over it or email the person telling them what a shame they are to the list ! Its like "If you don't play by my rules, I'm gonna take my ball and go home" And I'm not talking about the moderator either, its the other folks that get all fired up and try and take matters into their hands I'm talking about. This is a great list, but some folks just need to realize that there are more opinions out there than their own ! Opinions are like "certain body parts" - everyone has one ! If you see something that offends you or you don't agree with, DELETE IT !

I'm sure that you have opinions that people don't agree with too !
"WELCOME TO THE REAL WORLD !"

Bullet Proof Vest on !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 06 Jul 2003 20:01:11 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: rshake@cable.net-va.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [153700] Re: CW Contest Trainer
Message-ID: <5.1.0.14.2.20030706200102.03388008@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

PED CW contest trainer <http://www.sk3bg.se/contest/softped.htm>
It simulates CT logging program (<http://www.k1ea.com> shareware)

73 Hank K8DD

At 7/5/2003 08:04 AM -0400, Randy Shake wrote:

>Hi Folks,
>
>Does anyone remember the CW contest trainer software program that has been
>recommended on this reflector in the past? I've done some Google searches
>for programs available, but forget the which ones have been recommended.
>
>Thanks in advance for your help!
>
>Randy Shake
>KC9LC
>Christiansburg, VA

Date: Sun, 6 Jul 2003 20:29:17 EDT
From: Fghester@aol.com
To: qrp-l@lehigh.edu
Subject: [153701] FS: MFJ 9020 with keyer & filter
Message-ID: <1ad.16c7bfd0.2c3a18dd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

New K1 makes my trusty MFJ 9020 available for a new home (or camping buddy). This one is well used but well cared for. It has the keyer built in and the audio filter too. Puts out a solid 5 Watts. Cosmetically 9/10 (few minor scratches on case.. barely noticable) and electronically 10/10. A later model with detent RIT. Would sell new from MFJ for \$269.85 (rig plus keyer plus filter). First \$170 plus \$8 shipping and insurance gets it. Please reply off list. Woody / WD9F fghester@aol.com

Date: Sun, 6 Jul 2003 18:02:04 -0700
From: "Glenn Maclean" <wa7spy@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [153702] Down East Microwave Transverter for sale
Message-ID: <007701c34423\$618a65f0\$6601a8c0@WA7SPY>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale Down East Microwave Transverter for 144Mhz. Model 144-28CK assembled and works great! All set up to work with an Elecraft K2 including cables. It will work well with any other HF rig with a 28Mhz output of 100 miliwatts. Attenuating resistors are installed inside the transveter and can be removed for 100 milliwat input. 1 watt input from 28Mhz gives 25watts output on 144Mhz. Set up for separate receive and transmit VHF antenna input and output.

Photos available upon request
Asking \$250.00

Glenn Maclean WA7SPY

Date: Sun, 6 Jul 2003 19:07:59 -0600
From: "Paul Ermisch" <paul@ermisch.com>

To: "Qrp-List" <qrp-1@Lehigh.EDU>
Subject: [153703] Announcing the Colorado 14er Awards
Message-ID: <NHBBIMAFPBCKANGJGAPDMENLCCAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Announcing the Colorado 14er Awards
Bob Witte, K0NR
6 July 2003

Two new awards are now available for radio contacts to and from the 14,000-foot mountains of Colorado. The SUMMIT AWARD is earned by making contact with 10 or more of the 14er mountains. The PINNACLE AWARD recognizes operation from 14er summits, requiring radio operation from 5 or more summits. Award recipients will receive an attractive, colorful certificate with name, call sign and the number of peaks worked or activated on it.

Any amateur band can be used to make these contacts. No QSL cards are required but a list of stations worked (including call sign, summit, date, time, band and mode) must be submitted. Endorsements such as HF-only, VHF/UHF only, specific band, specific mode, satellite, etc. are available at the discretion of the awards manager. (If you have a specific idea for an endorsement, just ask!) Repeater contacts are not allowed but OSCAR satellite contacts do count for the awards.

The Colorado 14er Event (August 10, 2003) is an excellent opportunity to work or activate 14er summits. However, radio contacts can be made anytime during the year and count towards these two awards.

To apply for these awards, review the details of the award rules and download the application form at the Colorado 14er Event web site (<http://www.Colorado14erEvent.org>). A \$5 fee covers the cost of the certificate and associated expenses. Questions should be directed to the awards manager, Paul Ermisch KB0LUR (email: awards@Colorado14erEvent.org)

Date: Sun, 06 Jul 2003 19:20:26 -0700
From: James Bennett <jwbennett@sprintmail.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [153704] Re: Portable Antennas
Message-ID: <3F08D8EA.2D71A328@sprintmail.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brent,
I have a little experience with the antenna,
I designed it :)

It is designed to be traveler friendly. I built the
first PAC-12 as my travel antenna to accompany me on
too frequent business trips.

You can see the results of field tests on the HFpack website
at www.hfpack.com.

The antenna was designed to be easy to construct and to use
commonly available materials. I am now working on a follow
up article toward improving the overall design.

I am always happy to answer questions regarding the PAC-12.

73
James Bennett
KA5DVS/6

Brent Sutphin WB4X wrote:

>
> I have been thinking of building a portable antenna to take along on
> vacation and other outings to use with my K2. This morning I came across an
> antenna that looks like it might fit the bill. I found it on the American
> QRP web page. It's called the Pack-12. I wonder if anyone here has any
> experience with this antenna. If it works well, is what I really want to
> know.
>
> 73
> Brent WB4X

Date: Sun, 6 Jul 2003 19:37:23 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153705] Re: Trail friendly key?
Message-ID: <20030707023723.63076.qmail@web21205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This is available from the American QRP Club at
www.amqrp.org.

Lee N4MVL

```
--- Jim Stamper <jstamper@shentel.net> wrote:
> You might want to check out the Finger Tip Tapper.
> It is about the size of
> a business card, flat with a couple of bulges for
> the dit and dah switches.
> I believe they are membrane switches but am not
> sure. The whole thing is
> encased in flexible plastic. It is very light but
> has a flat magnet inside
> which holds it down nicely. Since all the keying
> motion is side-to-side,
> not up and down, it doesn't slide around and works
> well on a picnic table or
> even laid on your thigh. It doesn't take long to
> learn to use it. The only
> disadvantage is I cannot go much faster than 16-18
> wpm with it.
>
> jim-
> KG4LDY
>
>
> ----- Original Message -----
> From: <ARDUJENSKI@aol.com>
> To: "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Sent: Sunday, July 06, 2003 4:15 PM
> Subject: Trail friendly key?
>
>
> > Question for those with some extensive field usage
> of QRP: For a simple,
> > reliable, and effective key for the trail has the
> basic sawblade or micro
> switch
> > worked best? In the way of micro switches is there
> a particular type or
> brand
> > you recommend?
> >
> > Alan KB7MBI in Woodinville, WA
> > FISTS 5702 / ARS / Proud member of ARRL
> > --- --- . . . . . --- --- DIT DIT
> >
```

>

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Sun, 06 Jul 2003 22:46:12 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-1@Lehigh.EDU
Subject: [153706] Re: Cat5 for feedline
Message-ID: <3F08DEF4.6080606@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Quite a good reason to stick to coax, thanks for the info.

Maybe I can use it for rotor cable. :)

Fran km1z

>RG58 attenuation: 50MHz 3.0 dB/100' 100 MHz 4.4 dB/100'

>CAT5: 20 MHz 2.8 dB/100' 100 MHz 6.7 dB/100'

><http://www.proav.de/index.html?http&&www.proav.de/data/cables/CAT5.html>

>I.e. 50% more attenuation at 100 MHz

>73,
>Sverre

Date: Sun, 6 Jul 2003 19:47:07 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [153707] Re: Portable Antennas
Message-ID: <20030707024707.2043.qmail@web21210.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Hi Brent!!

I built a vertical based loosely on the PAC-12 antenna. Instead of Aluminum rod, I used 1/2" copper pipe inserted inside 3/4" CPCV: threaded copper fittings were soldered on the ends. For the coil, I used approximately 2/3 of a Slinky; I used the threaded fittings shoved onto 5/8" hardwood doweling with 3/4" CPCV again on the outside, and added a wander lead to short out portions of the coil. The tip was a 6-foot RadShak whip soldered on a 1/2 to 3/8 reducing fitting. I used doweling and threaded fittings to make a feed point, and placed some ferrite beads on the coax. The length is 2 feet for the coil and base unit, and it handles 10-30m nicely with 100 watts. For 40 and 80, take a 25 foot section of wire (I had 18 guage) and solder a "croc" clamp to it. This is attached at the bottom of the coil for 40m , and at the top of the coil for 80 - I have no idea why it works, but it does.

Good Luck & 73,

Lee N4MVL

--- Brent Sutphin WB4X <bsutphin@triad.rr.com> wrote:
> I have been thinking of building a portable antenna
> to take along on
> vacation and other outings to use with my K2. This
> morning I came across an
> antenna that looks like it might fit the bill. I
> found it on the American
> QRP web page. It's called the Pack-12. I wonder if
> anyone here has any
> experience with this antenna. If it works well, is
> what I really want to
> know.
>
> 73
> Brent WB4X
>

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Sun, 6 Jul 2003 22:08:28 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: k5di@msn.com
Cc: qrp-l@Lehigh.EDU
Subject: [153708] Re: Why I stay here
Message-ID: <20030706.220957.-1456907.9.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For once I agree with Karl.

Bill, K5ZTY
Houston, TX

On Sun, 6 Jul 2003 17:01:33 -0600 (MDT) Karl Larsen <k5di@msn.com>
writes:

>
> There is need for a list moderator.

> An un-moderated list ALWAYS at some point becomes a
> worthless
> mess. Few un-moderated lists exist for this reason.
>
> So I will stay with the true QRP-L which has some things I
> do
> not like and lots of things I do like. This is the normal condition.
>
>
> 72, karl

Date: Sun, 6 Jul 2003 23:32:57 -0400
From: Steve.Lawrence@ITWFEG.COM
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [153709] Interesting Antenna -- W5GI Multiband
Message-ID: <0FA9E7C29F.EB8D7232-0N85256D5C.0012B241-85256D5C.00137ECC@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Anyone tried the "W5GI Multiband Mystery Antenna" as described in the July

2003 CQ (pg 18) or on this web site??

<http://www.w2fla.com/w5gi.htm>

It appears to be a G5RV variant, offering a fairly reasonable resistance/reactance load on all bands.

I would be interested in hearing from the antenna gurus on the list about this design...

73,
Steve
aa8af

Date: Sun, 06 Jul 2003 23:43:31 -0400
From: Jason Hisson <jhisson1@columbus.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [153710] 6 Meter Beacon
Message-ID: <3F08EC63.5040108@columbus.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi guys,

I have started to play with 6M lately for the first time. I would like to know if there are any kits available to make a low power (1 watt) 6 meter transmitter to make a beacon. I am thinking a Tick keyer with a recorded message (N8XE/B etc...) keying a simple 6 Meter transmitter.

Kits are nice... however, I am willing to build from scratch from schematics. Any pointers?

Right now, I have a Kenwood TS440 and a Ten Tec 6 M transverter sitting around doing nothing (and a recently constructed 6M dipole) that I can use.. however, no available keyer yet.

Thanks es 72!

Jason Hisson
N8XE

Date: Sun, 06 Jul 2003 22:09:29 -0600
From: Larry East <wlhue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [153711] Re: Norcal Keyer and Low Quiescent Current Regulators
Message-ID: <5.1.0.14.2.20030706212452.020f7880@mail.ultrasw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:03 PM 7/6/03 -0400, Bill, K5ZTY wrote:

>The keyer didn't drain the battery, the voltage regulator did. Take the
>voltage regulator out and power it with a couple of AAA cells and they
>will last for years.

>

>Bill, K5ZTY

>Houston,TX

>

>On Sat, 05 Jul 2003 11:31:13 -0500 Richard Lim <richlim11@yahoo.com>

>writes:

> > Does anyone know what the resting current draw is on the Norcal Keyer

> > kit? I

> > built mine two weeks ago and have used it only sparingly and the 9v

> > battery

> > is now dead. I left the battery connected without a switch during

> > the

> > entire time, but I may need to add a power on/off toggle. Thanks.

> >

> > Rich

> > KQ9L

> >

I assume that a common 78L05-type regulator is being used. There is an ultra-low "quiescent current" (15uA typical compared to 0.5-1mA for a 78L05) regulator that can be used directly in its place -- a National Semiconductor LM2936 available from DigiKey for about \$2.50 in single unit quantities (part number LM2936Z-5.0-ND for the T0-92 version). Output current is limited to 50mA, but that is more than enough for a keyer. In addition to low quiescent current, this device has a very low "drop-out" voltage, typically 200 mV -- which means that the input voltage can be as low as 5.2V and it will still regulate. I used one in a keyer that I no longer have and a 9V battery lasted forever -- but I did (usually remember to) switch it off when not in use. :-) These devices are a bit pricey, but I don't see why they are not used more often in CMOS keyers, etc. when low battery drain is important.

MAXIM Semiconductor also makes several ultra low quiescent current regulators, some less expensive, but none that are direct replacements for the 78L05.

NOTE: These types of regulators require a larger output cap than 78L-series regulators for stability -- at least 10uF in most cases -- and it's best to use a tantalum rather than an electrolytic.

72,
Larry
W1HUE/7

Date: Mon, 7 Jul 2003 04:52:53 -0400
From: "John Huffman" <hjohnc@core.com>
To: <adventureradiosociety-announcements@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [153712] Spartan Sprint Tonight!
Message-ID: <00c501c34465\$286c55c0\$ce075dd8@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tonight is the July Adventure Radio Society Spartan Sprint. Two hours starting at 9 pm Eastern, 8 pm Central, 7 pm Mountain, 6 pm Pacific.

Exchange - Report, State (Province), Power as in: 559 MI 5W

Enjoy, and get your logs in by noon Wednesday. Results should be posted by Thursday.

Fill out the Autolog at www.ARSqrp.com/ars/ss_log.html

There's still plenty of time to get a Bumblebee number for the Flight of the Bumblebees on July 27. Just reply to this message with your request.

73 de NA8M
John
Contest Manager
Adventure Radio Society

Date: Mon, 07 Jul 2003 06:41:35 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [153713] RE: Why I Stay Here
Message-ID: <3F09161F.25601.2CAFC53@localhost>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I have no problem with moderator ASKING people to stay on topic, etc. What I object to is the moderator taking it upon himself to DELETE messages. This is, by definition, NOT moderation but censorship! It also creates a problem with timeliness, since messages make the list at irregular intervals, sometimes 6 hours or more. Not too useful for AT, FOX or DX spots!

--

John W2AGN

Date: Mon, 7 Jul 2003 05:38:28 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: Steve.Lawrence@ITWFEG.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153714] Re: Interesting Antenna -- W5GI Multiband
Message-ID: <Pine.LNX.4.44.0307070527080.1333-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Steve, the whole antenna is a take off from many tries to make a stock g5rv designed antenna work better. He has done a lot of work on an antenna that QRO operators can use on maybe all bands.

The tip off is the fact he says you do not need a tuner. This is good news to a person running 500-1500 watts.

All this said, it will be hard to analyze this antenna. I still do not know what he is feeding the antenna with, but it looks like parallel coax cable. Then where the feedline ends and the coax line is attached it's the "g5rv connection" which is a very poor way to go from balanced to unbalanced cable.

So I am not interested enough to do all the work. Interesting design though and it must work fine for w5ri.

On Sun, 6 Jul 2003 Steve.Lawrence@ITWFEG.COM wrote:

> Anyone tried the "W5GI Multiband Mystery Antenna" as described in the July
> 2003 CQ (pg 18) or on this web site??
>

> <http://www.w2fla.com/w5gi.htm>
>
> It appears to be a G5RV variant, offering a fairly reasonable
> resistance/reactance load on all bands.
>
> I would be interested in hearing from the antenna gurus on the list about
> this design...
>
> 73,
> Steve
> aa8af
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 07 Jul 2003 08:01:10 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153715] Re: Only a day left!!!
Message-ID: <3F096106.6A12FCBD@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Don,

"Don Jackson (AE5K)" wrote:

> As of July 3, there were 1,521 comments filed. Unfortunately, some
> idiots have thought it smart to file the very same comment multiple
> times (counted at least 6 for one idiot filing on July 3).

No I didn't file multiple times, but in defense of those "idiots", the FCC site mentions that filed comments appear within 24 hours in the database. However, in some cases it takes much longer. Mine didn't appear until 10 days after I filed. I certainly can understand that folks filed multiple times because they never saw their comments actually filed, especially when you see that comments appear in the database that have been filed after yours.

Also some folks, including me, got information on their forms belonging to that from someone else. What I mean is, that when I went to the form to file my comments, it was like the form was filled out by someone

else. So if someone who would receive data from someone else and hit the wrong button, or cleared the form and resubmitted with their data, it got filed again by someone else than the person who filled out the form initially. (Note that the date on the multiple filings is the same.) It may very well be the case that many legitimate comments have not been filed at all.

> Others

> have the tone of a whiner. You can read them on the FCC web page.

> (in fact too easy for some idiots ;-)

You know, perhaps you should leave such comments and name calling (perhaps of folks on this list, too) out when you want to entice folks to file. It's totally unnecessary and serves no purpose.

73,

--Alex KR1ST

Date: Mon, 7 Jul 2003 08:24:11 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [153716] Rockmite
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715D23@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm finally getting around to finishing mine up--I have a set of headphones with inline volume control, so no mods thus far--but on a trial run last night, I found the sidetone a bit loud for my liking. I know I can change C8, probably from a 0.1uF to 0.01uF; but before I do so--has anyone else done this, and what did they wind up using?

Also--I put the two headphone leads in parallel (to ground). Any issues with this? I know there is a trick to float the common lead of headphones and then drive the two (mini) speakers in series for more volume (for these low audio power guys), but I wasn't able to right now (couldn't figure out yet how to float the common on a metal enclosure). I know the LM1458 is short circuit protected and all--but should I expect some funny noises (clipping) on loud signals?

Since I'm on it, what do others use for connectors when building Altoids projects? I found a chassis mount BNC in my junkbox, but destroyed on tin putting it on--I didn't realize how tight things were. On the current tin, in order to get the lid to shut, I had to notch the bottom part of the shell

so I could tighten the nut! It's a bit odd, but it all fits--somehow.

Thanks.

Shawn Upton, KB1CKT

Date: Mon, 07 Jul 2003 08:24:35 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153717] Re: Why I Stay Here
Message-ID: <3F096683.2B0014F5@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

John Sielke wrote:

>
> I have no problem with moderator ASKING people to stay on topic, etc. What I
> object to is the moderator taking it upon himself to DELETE messages. This
> is, by definition, NOT moderation but censorship!

I agree. (...and while we're at it, let's ask ourselves how often we agree with someone based on who the messenger is rather than the message itself.....note some statements of agreement containing a form of disclaimer on this list which indicates an apparent dilemma)

No one likes the word censorship (except perhaps in the context of protecting classified materials) because somehow that goes against our feeling that perhaps our freedom might be limited and we subject to it by our own free will. So we call it moderation in order to protect that warm fuzzy feeling, and make censorship into something we can live with.

Back under my rock now.

73,
--Alex KR1ST

Date: Mon, 7 Jul 2003 06:26:28 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: James Bennett <jwbennett@sprintmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153718] Re: Portable Antennas
Message-ID: <Pine.LNX.4.44.0307070618030.1333-100000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi James I looked again at the shootout and then recalled your antenna should do well because it's almost as long as the reference 1/4 wave. At least more than half as long. I think you might get even better marks if you make the loading coil a larger diameter. That should increase the Q.

This antenna is a loaded 1/4 vertical. You need a darn good ground plane to get this antenna working well.

I have made the W3FF dipole from his web site at www.qsl.net/w3ff and it works just great from 20 meters up. I like it because it does not need a good ground plane, and it comes apart into a small package your wife will not notice.

On Sun, 6 Jul 2003, James Bennett wrote:

> Brent,
> I have a little experience with the antenna,
> I designed it :)
>
> It is designed to be traveler friendly. I built the
> first PAC-12 as my travel antenna to accompany me on
> too frequent business trips.
>
> You can see the results of field tests on the HFpack website
> at www.hfpack.com.
>
> The antenna was designed to be easy to construct and to use
> commonly available materials. I am now working on a follow
> up article toward improving the overall design.
>
> I am always happy to answer questions regarding the PAC-12.
>
> 73
> James Bennett
> KA5DVS/6
>
> Brent Sutphin WB4X wrote:
> >
> > I have been thinking of building a portable antenna to take along on
> > vacation and other outings to use with my K2. This morning I came across an
> > antenna that looks like it might fit the bill. I found it on the American

> > QRP web page. It's called the Pack-12. I wonder if anyone here has any
> > experience with this antenna. If it works well, is what I really want to
> > know.
> >
> > 73
> > Brent WB4X
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 07 Jul 2003 08:37:07 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@msn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [153719] Re: Why I stay here
Message-ID: <3F096973.B4843947@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is one topic I agree completely with Karl on. QRP-L is the original and the best list around. It does need to be moderated, the question is by whom and how. Silently is best. Members should be notified that the list is moderated and to stay on topic. Certain of the moderators in the past have used their moderation tool as a hammer, very publicly. Bad news and guaranteed to chase members away. There should be rules published so a member is not caught unawares. Some tolerance should be allowed. I can remember a very significant situation from the early days of QRP-L when there were no rules!

73

Date: Mon, 7 Jul 2003 06:40:18 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <SUpton@ALLEGROMICRO.com>, "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [153720] Re: Rockmite
Message-ID: <003c01c34484\$ece77730\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Shawn,

----- Original Message -----

From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, July 07, 2003 6:24 AM

Subject: Rockmite

....

> Since I'm on it, what do others use for connectors when building
Altoids

> projects? I found a chassis mount BNC in my junkbox, but destroyed on
tin

> putting it on--I didn't realize how tight things were. On the current
tin,

> in order to get the lid to shut, I had to notch the bottom part of the
shell

> so I could tighten the nut! It's a bit odd, but it all fits--somehow.

For case/connector ideas see the "Rockpile" on my "Rock-Mite Files"
page:

<http://www.radioactivehams.com/~n0rc/rm/>

For specifics on how I prepared an Altoids tin see:

http://www.radioactivehams.com/~n0rc/rm/enclosure/altoids_enclosure.html

73, Rod N0RC

Date: Mon, 7 Jul 2003 08:48:30 -0400

From: "Steve Blary" <steve@eclipsecat.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [153721] RE: 5 Meg signals

Message-ID: <PPEIIGOHKOAKJAPHAODHAEPLGAA.steve@eclipsecat.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

> BUT how is a ham going to determine that the digital signal which he
> can't decode is that of a primary user.

And if it is a secondary user are you just to have a QSO over the top of
them? Seems to me that if a QSO is in progress determining if the signal is
from a primary or secondary user is moot.

73's

Steve Blary, N1XC

Date: Mon, 07 Jul 2003 08:26:21 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [153722] Re: Alternative QRP-L
Message-ID: <3F0966ED.BD0A6158@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick,

As one who is both guilty and innocent of the things you describe I
think I can chime in here with a few thoughts. From when QRP-L was
first started until now, the list has gone through many distinct
changes. It started as a distinctly technical list, then came
operating. Then came the arguments...

I for one tend to happily use my delete key for subjects I am not
interested in (fox, dx, etc.). Where I get "involved" is in technical
issues, especially antennas. Here is NOT where an opinion works, they
either work or they don't work based on sound electro-physical reasons.
The theory is as old as the field for the most part. In this case I
cannot take fallacy, so I jump in.

I will say that having been stuck in a nursing home since January (and
in a hospital for 2 month before). It has contributed to a much more
laid back attitude. We should all realize this is just a hobby and that
each individual makes a decision of what interests him (or her).

Date: Mon, 7 Jul 2003 09:14:41 -0400
From: Steve.Lawrence@ITWFEG.COM
To: Karl Larsen <k5di@msn.com>
Cc: qrp-1@Lehigh.EDU
Subject: [153723] Re: Interesting Antenna -- W5GI Multiband
Message-ID: <0FCCFC8EAD.57757921-ON85256D5C.0047973E-85256D5C.0048C14F@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Karl,

Thanks for your thoughts...

The antenna is fed through a 1/2 wave of ladder line wired directly to a coax feed line leading to the rig. This is more apparent if you click on the "click here for W5GI aeralis" link at the top of the web page referenced in my original inquiry. The CQ article claims an SWR ranging from 1.2 - 5.2 depending on the band (80, 40, 30, 20, 17, 15, 12, 10, 6), with the highest values on the 30M band.

For a wire antenna, this has my attention!

Steve
aa8af

Karl Larsen <k5di@msn.com>
07/07/2003 07:38 AM

To: Steve.Lawrence@ITWFEG.COM
cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: Re: Interesting Antenna -- W5GI Multiband

Hi Steve, the whole antenna is a take off from many tries to make a stock g5rv designed antenna work better. He has done a lot of work on an antenna that QRO operators can use on maybe all bands.

The tip off is the fact he says you do not need a tuner. This is good news to a person running 500-1500 watts.

All this said, it will be hard to analyze this antenna. I still do not know what he is feeding the antenna with, but it looks like parallel coax cable. Then where the feedline ends and the coax line is attached it's the "g5rv connection" which is a very poor way to go from balanced to unbalanced cable.

So I am not interested enough to do all the work. Interesting design though and it must work fine for w5ri.

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> Anyone tried the "W5GI Multiband Mystery Antenna" as described in the July
> 2003 CQ (pg 18) or on this web site??
>
> <http://www.w2fla.com/w5gi.htm>
>
> It appears to be a G5RV variant, offering a fairly reasonable
> resistance/reactance load on all bands.
>
> I would be interested in hearing from the antenna gurus on the list
about
> this design...
>
> 73,
> Steve
> aa8af
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 7 Jul 2003 08:25:41 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153724] Re: Rockmite
Message-ID: <Pine.LNX.4.33.0307070824460.6989-1000000@madmax.botkin.org>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jul 2003, Upton, Shawn wrote:

> I know I can change C8, probably from a 0.1uF to 0.01uF; but before I
> do so--has anyone else done this, and what did they wind up using?

I used a .01, works great.

72,

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.

Get a PicoKeyer: <http://www.hamgadgets.com>

Date: Mon, 07 Jul 2003 09:32:57 -0400

From: Alex <kr1st@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [153725] Re: 5 Meg signals

Message-ID: <3F097689.C1212FB8@amsat.org>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

Steve Blary wrote:

> Seems to me that if a QSO is in progress determining if the signal is
> from a primary or secondary user is moot.

Well, I don't recall having ever having suggested to transmit on top of anyone else, regardless of user status. I'm also not sure why it would be wrong wanting to know who's on the channel, moot point or not. You may not be interested, but I am.

Besides, the point was about sharing a heavily used frequency between different types of users that use incompatible modes, while compatibility was argued to justify USB only for one set of users. A primary user that uses PACTOR in the way it is being used now, does not listen to USB voice to determine if there's another primary voice user on the channel. It just transmits. From the bursts you can tell the PACTOR station is often times just sitting there IDing (I'm not questioning legality here). It will only listen to other PACTOR users.

73,

--Alex KR1ST

Date: Mon, 7 Jul 2003 06:42:57 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: jwbennett@sprintmail.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153726] Re: Portable Antennas
Message-ID: <20030707134257.35337.qmail@web21207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

James,

Your design was the starting point for my homebrew vertical, along with the Buddipole site. I chose the Slinky coil you had added in the Homebrewer #10 (NJ-QRP) and worked from there. I used 2-foot sections in my design, and the results work well --- which shows that your base design is a good one to start with!!

73 & thanks for those articles!

Lee N4MVL

--- James Bennett <jwbennett@sprintmail.com> wrote:
> Brent,
> I have a little experience with the antenna,
> I designed it :)
>
> It is designed to be traveler friendly. I built the
> first PAC-12 as my travel antenna to accompany me on
>
> too frequent business trips.
>
> You can see the results of field tests on the HFpack
> website
> at www.hfpack.com.
>
> The antenna was designed to be easy to construct and
> to use
> commonly available materials. I am now working on a
> follow
> up article toward improving the overall design.
>
> I am always happy to answer questions regarding the
> PAC-12.

>
> 73
> James Bennett
> KA5DVS/6
>
> Brent Sutphin WB4X wrote:
> >
> > I have been thinking of building a portable
> antenna to take along on
> > vacation and other outings to use with my K2.
> This morning I came across an
> > antenna that looks like it might fit the bill. I
> found it on the American
> > QRP web page. It's called the Pack-12. I wonder
> if anyone here has any
> > experience with this antenna. If it works well,
> is what I really want to
> > know.
> >
> > 73
> > Brent WB4X

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Mon, 7 Jul 2003 14:13:42 GMT
From: rsstone@juno.com
To: qrp-l@lehigh.edu
Subject: [153727] WTB: MFJ 9420 SSB Travel Radio
Message-ID: <20030707.071350.506.300483@webmail03.lax.unttd.com>
Content-Type: text/plain

Hi - Does anyone have one of these 20 meter rigs that they can part with? I'd prefer one in good shape with microphone and CW adapter but I'll certainly consider others. Please respond direct with your price and the following information would be quite helpful: cosmetic and electrical condition including any known problems, approximate age if known (later models have a headphone jack), included accessories, usage history (heavy/light, mobile/portable, nonsmoking environment, etc.) Any other thoughts that you have about the rig would be appreciated too - ie., stability, CW keying quality, performance comparisons with higher power rigs, etc.

72,

Ron (KA3J)
Bethesda, MD

Date: Mon, 7 Jul 2003 10:42:25 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Steve Blary <steve@eclipsecat.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153728] RE: 5 Meg signals
Message-ID: <20030707103823.F52842-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jul 2003, Steve Blary wrote:

>
> > BUT how is a ham going to determine that the digital signal which he
> > can't decode is that of a primary user.
>
> And if it is a secondary user are you just to have a QSO over the top of
> them? Seems to me that if a QSO is in progress determining if the signal is
> from a primary or secondary user is moot.

I believe that if the qso is by primary users, the secondary ones need to
QRT, but not vice versa.

Since we know as hams we can only have Upper Sideband, when we hear
digital signals, I suppose we are to assume (hmmmmmm) theose signals are
from primary users...and thus we need to QRT.

Sounds like the allocation plan was yet another Camel by Committee.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Mon, 7 Jul 2003 9:51:23 -0500

From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"John Huffman" <hjohnc@core.com>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [153729] RE: Spartan Sprint Tonight!
Message-ID: <412003717145123402@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

I will be operating with a portable setup from Albuquerque, NM, tonite during the ARS Sprint. Rig will likely be an AT Sprint at 4 watts. Antenna will be HB wire vertical with 3 above ground counterpoise wires. Might also try a 33' end fed LW with a 17' counterpoise, as well. Fingers crossed!

Please give a holler if you hear K0EVZ in there. GL tonite everyone.

73,
--Doc/K0EVZ

> [Original Message]
> From: John Huffman <hjohnc@core.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 7/7/2003 3:52:53 AM
> Subject: Spartan Sprint Tonight!
>
> Tonight is the July Adventure Radio Society Spartan Sprint. Two hours
> starting at 9 pm Eastern, 8 pm Central, 7 pm Mountain, 6 pm Pacific.
>
> Exchange - Report, State (Province), Power as in: 559 MI 5W
>
> Enjoy, and get your logs in by noon Wednesday. Results should be posted
by
> Thursday.
>
> Fill out the Autolog at www.ARSqrp.com/ars/ss_log.html
>
> There's still plenty of time to get a Bumblebee number for the Flight of
the
> Bumblebees on July 27. Just reply to this message with your request.
>
> 73 de NA8M
> John
> Contest Manager
> Adventure Radio Society

Date: Mon, 7 Jul 2003 08:23:18 -0700
From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-l@lehigh.edu>, "DX Reflector" <dx-news@pro-usa.net>,
"CQ-Contest Reflector" <cq-contest@contesting.com>
Subject: [153730] WARC QRP Reporting Page is On-Line
Message-ID: <008801c3449b\$b22ed860\$7ca9fea9@DADSLAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Web page for reporting your QRP WARC-Speed Challenge totals for June is now on-line at:

<http://216.133.253.197/qrpwarccchallenge.php>

Band-mode totals will be automatically computed. If you are not keeping track of totals by mode, just enter them in the right-hand column marked "Any Mode".

Thanks to WA7BNM for making this a reality. A Web page showing the accumulated totals will be available soon.

Hopefully, the sun will cooperate and give us some good propagation!

73, Ward N0AX

Date: Mon, 07 Jul 2003 11:02:59 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [153731] Re: [ham] Re: Norcal Keyer and Low Quiescent Current Regulators
Message-ID: <5.2.0.9.0.20030707103202.00a80ab8@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

As an alternative Seiko and ST both make T092 voltage regulators that consume about 1.2 uA of current, and they are very inexpensive, I recently bought some 3.3 V (628-817B33AY) units at Mouser for \$0.51 each, and some 5 V versions for the same price.

Mouser's number 628-817B50AY is for the Seiko 5V part, it cost about \$0.51 each in small quantities, and consume 1.2 uA of current, they have a drop-out voltage of 5.16 Volts in T092 case.

Why pay over \$2.00 when you can pay less for a better part? Download the part specifications and insert into the place of the old regulator, watching to make sure your pins are correct.

I use them in a project with MSP430 CPU's which has an extremely low current consumption so all other system parts need to match to keep the battery life up.

I have quit using the LM78L series, because the Seiko regulators waste less, work with a lower voltage, and are very cheap, great for anything running on a battery.

Look through the Mouser and DigiKey catalogs for Seiko and ST voltage regulators, and you will find several parts under a \$1.00 that will consume less than 2 uA of current, but you need the catalogs, as finding a part that you don't know it's number is next to impossible on their Web sites

If you don't have their catalogs, on their Web sites you can request one for free.

At 11:09 PM 7/6/2003, Larry East wrote:

>At 07:03 PM 7/6/03 -0400, Bill, K5ZTY wrote:

>>The keyer didn't drain the battery, the voltage regulator did. Take the
>>voltage regulator out and power it with a couple of AAA cells and they
>>will last for years.

>>

>>Bill, K5ZTY

>>Houston,TX

>>

>>On Sat, 05 Jul 2003 11:31:13 -0500 Richard Lim <richlim11@yahoo.com>

>>writes:

>> > Does anyone know what the resting current draw is on the Norcal Keyer
>> > kit? I

>> > built mine two weeks ago and have used it only sparingly and the 9v
>> > battery

>> > is now dead. I left the battery connected without a switch during
>> > the

>> > entire time, but I may need to add a power on/off toggle. Thanks.

>> >
>> > Rich
>> > KQ9L
>> >
>
>I assume that a common 78L05-type regulator is being used. There is an
>ultra-low "quiescent current" (15uA typical compared to 0.5-1mA for a
>78L05) regulator that can be used directly in its place -- a National
>Semiconductor LM2936 available from DigiKey for about \$2.50 in single unit
>quantities (part number LM2936Z-5.0-ND for the T0-92 version). Output
>current is limited to 50mA, but that is more than enough for a keyer. In
>addition to low quiescent current, this device has a very low "drop-out"
>voltage, typically 200 mV -- which means that the input voltage can be as
>low as 5.2V and it will still regulate. I used one in a keyer that I no
>longer have and a 9V battery lasted forever -- but I did (usually remember
>to) switch it off when not in use. :-) These devices are a bit pricey, but
>I don't see why they are not used more often in CMOS keyers, etc. when low
>battery drain is important.
>
>MAXIM Semiconductor also makes several ultra low quiescent current
>regulators, some less expensive, but none that are direct replacements for
>the 78L05.
>
>NOTE: These types of regulators require a larger output cap than
>78L-series regulators for stability -- at least 10uF in most cases -- and
>it's best to use a tantalum rather than an electrolytic.
>
>72,
>Larry
>W1HUE/7

Cecil
KD5NWA

Date: Mon, 7 Jul 2003 12:12:04 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [153732] RE: 5 Meg signals
Message-ID: <000201c344a2\$815ad430\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

> Besides, the point was about sharing a heavily used frequency between

> different types of users that use incompatible modes, while
> compatibility was argued to justify USB only for one set of users.

Alex,

I may have missed an announcement, but do we know for sure that compatibility was the reason for USB only? Or was that an assumption somebody made?

Dave

Date: Mon, 7 Jul 2003 12:26:15 -0400
From: "Scott A. Thomas" <qrp1@DpPros.com>
To: <qrp-1@Lehigh.EDU>
Subject: [153733] Antenna Switch as radio switch
Message-ID: <002a01c344a4\$7d7a53c0\$8801a8c0@i75k>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I have only 1 antenna, but several radios, so I am using an alpha delta antenna switch between radios. I'm wondering if this can cause damage to the radios, or is there enough isolation such that the transmitted signal is too weak to do damage. Also, is this safe/unsafe at qro as well as qrp levels?

Thanks in advance,
Scott

Date: Mon, 7 Jul 2003 16:43:31 GMT
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [153734] Why didn't someone say sumthin...
Message-ID: <20030707.094407.516.304728@webmail04.lax.unttd.com>
Content-Type: text/plain

High y'all

Just figured our fd is the last weekend in June not the first weekend in

July... but we had a field day anyhow... well sorta...

Ever seen lightnin smoke an antenna, or ball lightnin run down a telephone pole?

I'll tell u folk, thair was rare things happenin at our fd this weekend... nobody lost any gear or ended up hospitalized, but boy did we have fun, i think...

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 7 Jul 2003 10:52:55 -0600
From: William R Colbert <w5xe@juno.com>
To: qrpl@DpPros.com, qrp-l@lehigh.edu
Subject: [153735] Re: Antenna Switch as radio switch
Message-ID: <20030707.105300.-421647.11.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use a B&W 5 position switch at times, to switch rigs between the antenna - have had no problems. I also have a MFJ 1700B dual switch - 6position for antenna and 6 for rigs. Again, no problems. However, the only rig I would not leave connected even tho not in use even tho turned off is the QRP+ due to the lack of protection.

Ray
"Texas can make it without the United States,
but the United States can't make it without Texas."
Sam Houston, Governor
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M GQRP-6115
ARCI-5784 NCT2R FP-111 El Paso, (FAR WEST) TEXAS

Date: Mon, 7 Jul 2003 12:00:04 -0500
From: "Dave Sjolin" <sjolin@swbell.net>
To: <qrpl@DpPros.com>, "Qrp-l Reflector" <qrp-l@Lehigh.EDU>
Subject: [153736] Re: Antenna Switch as radio switch

Message-ID: <03a101c344a9\$3ab86270\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have used a two position MFJ switch with up to a KW on one side and a 10 watt 6 meter rig on the other and have had no problems. I think the switches are rated for something like 80 db isolation between contacts. I believe my five position Alpha Delta is good for at least that.

73 de Dave, N0IT

----- Original Message -----
From: "Scott A. Thomas" <qrp1@DpPros.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, July 07, 2003 11:26 AM
Subject: Antenna Switch as radio switch

> Folks,
>
> I have only 1 antenna, but several radios, so I am using an alpha delta
> antenna switch between radios. I'm wondering if this can cause damage to
> the radios, or is there enough isolation such that the transmitted signal
is
> too weak to do damage. Also, is this safe/unsafe at qro as well as qrp
> levels?
>
> Thanks in advance,
> Scott

Date: Mon, 7 Jul 2003 13:05:07 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [153737] Re: Only a day left!!!
Message-ID: <000301c344a9\$eb567720\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,
Today I filed comments with the Commission regarding progressing the

matter of broadband internet access over power lines. I limited the comments to two areas, first that until comprehensive testing has been conducted regarding interference from this technology involving ALL users of the affected spectrum and agreement reached by ALL such parties, both commercial and Government, that harmful interference will not result, the matter cannot be progressed further.

Secondly, I questioned the viability of the market for one more such technology, given the availability of telephony and cable television infrastructure and the recent price reductions for such provision of broadband internet service. I also questioned the viability of this market based on the slow take-up by internet service providers of spectrum already set aside for such service, namely the 3.65 to 3.70 GHz band.

The job is not yet done as the window for reply comments now opens and as I understand it, extends until early August.
Cal Cotner K4JSI

Date: Mon, 07 Jul 2003 13:09:24 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153738] Re: 5 Meg signals
Message-ID: <3F09A944.B913B7C5@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Dave,

David Hinerman wrote:

> I may have missed an announcement, but do we know for sure that
> compatibility was the reason for USB only? Or was that an assumption
> somebody made?

I'll see if I can find the source again, probably the ARRL website. The reason for assigning only voice USB to amateur radio operations was because it would be compatible with the equipment used by the federal government, and I guess other occupants of the band.

73,
--Alex KR1ST

Date: Mon, 7 Jul 2003 11:18:31 -0600

From: "Rod N0RC" <rod@n0rc.us>
To: <elecraft@mailman.qth.net>, "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [153739] FS E850138 K2 Temperature Compensated PLL Reference Upgrade
Message-ID: <002e01c344ab\$caf758d0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

\$20 Shipped CONUS, wound up with an extra!

This compensation circuit reduces the reference oscillator's temperature coefficient by as much as a factor of 10 for superior frequency stability over temperature.

73, Rod N0RC

Date: Mon, 07 Jul 2003 13:21:30 -0400
From: Alex <kr1st@amsat.org>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [153740] Re: 5 Meg signals
Message-ID: <3F09AC1A.B3A5D003@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

David Hinerman wrote:

> I may have missed an announcement, but do we know for sure that
> compatibility was the reason for USB only? Or was that an assumption
> somebody made?

You are absolutely correct. It was an assumption.

>From <http://www.arrl.org/FandES/field/regulations/faq.html> (answer of question 4):

<quote>

While there has been no further explanation, ARRL believes the USB requirement stems from the fact that it's the voice mode federal government stations are most likely to employ, thus permitting some degree of interoperability between primary and secondary users.

</quote>

The following remark on the same page is also interesting:

<quote>

the latter agency [NTIA] reviewed its assignments in the vicinity of 5 MHz and found five channels that were "lightly used" that it felt it could share.

</quote>

The PACTOR station is almost always on. I have checked many many times this past weekend and it always was there except two times. I listened at different times of the day. I'd classify that as "heavily" used, but that is purely subjective of course.

73,

--Alex KR1ST

Date: Mon, 07 Jul 2003 13:30:13 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153741] Re: Why didn't someone say sumthin...
Message-ID: <3F09AE25.13DA4D1@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

hamjoel@juno.com wrote:

>

> High y'all

> Just figured our fd is the last weekend in June not the first weekend in July...

That's why I asked in response to Joe Roof's message "What Field Day?":

<http://listserv.lehigh.edu/lists/Archives/qrp-l/0014.html>

> but we had a field day anyhow... well sorta...

> Ever seen lightnin smoke an antenna, or ball lightnin run down a telephone pole?

> I'll tell u folk, thair was rare things happenin at our fd this weekend... nobody lost

> any gear or ended up hospitalized, but boy did we have fun, i think...

Glad you had fun and that you were safe. I'm sorry about the antenna. Main thing is, you had fun, which you may not have had if somebody had

said sumpin'

73,

--Alex KR1ST

Date: Mon, 7 Jul 2003 13:32:22 -0400
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [153742] CW adapter nereded
Message-ID: <008601c344ad\$be7167c0\$b09a8b41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

SunflowerAnyone out there have a cw adapter for the MFJ 9420 rig they would like to sell. If so please e-mail me direct.

Thanks.

John K2JHU...

South Island Real Estate

jdorson@worldshare.net

Date: Mon, 7 Jul 2003 13:29:11 -0400
From: "Scott A. Thomas" <qrp1@DpPros.com>
To: <qrp-l@Lehigh.EDU>
Subject: [153743] RE: Antenna Switch as radio switch
Message-ID: <002d01c344ad\$47ec10f0\$8801a8c0@i75k>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the (unanimous) replies. I'm getting ready to hook up a soon to be born K1, and was worried. Guess it says something about how I feel about this radio vs. my others... it never crossed my mind before.

BTW, I used to be NM1J and I'm becoming re-active (to the hobby and this list) after about 8 years. Current call is the hardly used N1ST. It's nice to be back and I hope to work many of you with my rusty CW.

Scott

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Scott A. Thomas
Sent: Monday, July 07, 2003 12:26 PM
To: Low Power Amateur Radio Discussion
Subject: Antenna Switch as radio switch

Folks,

I have only 1 antenna, but several radios, so I am using an alpha delta antenna switch between radios. I'm wondering if this can cause damage to the radios, or is there enough isolation such that the transmitted signal is too weak to do damage. Also, is this safe/unsafe at qro as well as qrp levels?

Thanks in advance,
Scott

Date: Mon, 7 Jul 2003 12:36:38 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [153744] RE: Why didn't someone say sumthin...
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428F18@TX-MSG05-CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

joel,

I guess you're a day late and a dolla' short - but laissez le bon temps roulon!!!!

Lee N4MVL

-----Original Message-----

From: Alex [mailto:kr1st@amsat.org]
Sent: Monday, July 07, 2003 1:30 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Why didn't someone say sumthin...

hamjoel@juno.com wrote:

>=20

> High y'all

> Just figured our fd is the last weekend in June not the first weekend in July...

That's why I asked in response to Joe Roof's message "What Field Day?":

<http://listserv.lehigh.edu/lists/Archives/qrp-1/0014.html>

> but we had a field day anyhow... well sorta...

> Ever seen lightnin smoke an antenna, or ball lightnin run down a telephone pole?

> I'll tell u folk, thair was rare things happenin at our fd this weekend... nobody lost=20

> any gear or ended up hospitilized, but boy did we have fun, i think...

Glad you had fun and that you were safe. I'm sorry about the antenna. Main thing is, you had fun, which you may not have had if somebody had said sumpin'

73,

--Alex KR1ST

Date: Mon, 07 Jul 2003 10:38:06 -0700

From: "Laurent C. Lafond" <aa1qj@earthlink.net>

To: qrp-1@lehigh.edu

Subject: [153745] Wanted: A short (long) wire tuner

Message-ID: <3F09AFFE.9040603@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I'm beginning to believe that nothing is going to work in the location that I am currently in.

Would try a ballon, but with all the UFO sightings around here, I don't want to add to the confusion.

I have decided to try a short (long) wire antenna, but need a cheeeeeep tuner to go with it.

Not looking for one that tunes by noise level. I am looking for one with 'meters' so that

I'll know exactly where I stand with forward and reflected power and

etc...ad infinitum.

Any ideas or recommendations would be greatly appreciated.

Laurent

aa1qj

Between the mountains in Arizona

Date: Mon, 07 Jul 2003 13:42:10 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [153746] Btw
Message-ID: <3F09B0F2.9A6547FA@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

When you look at the pictures on:

<http://www.arrl.org/news/features/2003/06/19/2/>

...don't you agree that Nancy Victory and Ed Hare make an excellent Karaoke team? :)

73,

--Alex KR1ST

Date: Mon, 07 Jul 2003 13:45:14 -0400
From: "Hugo W. Catta" <hugo@optonline.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [153747] Suse 8.2 CDs
Message-ID: <003701c344af\$861207c0\$0200a8c0@dell2000>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I just got my set.

I will make two copies tonight, (or tomorrow), and mail them to the first two resquests.

72,
AA1XV

Date: Mon, 07 Jul 2003 13:55:18 -0400
From: Sam Smith <sam.smith@ece.gatech.edu>
To: qrp-l@Lehigh.EDU
Subject: [153748] Re: Why didn't someone say sumthin...
Message-ID: <3F09B406.4050705@ece.gatech.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Joel, we thought you were making a joke. I'm still not sure if you are serious...

Sam N4MAP

Date: Mon, 7 Jul 2003 14:02:18 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [153749] RE: Wanted: A short (long) wire tuner
Message-ID: <000301c344b1\$e7b6c180\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Laurent,

There's not much cheaper than a Norcal Balanced Line Tuner (BLT) if you're using low power. It uses an LED as a match indicator - tune for minimum brightness.

<<http://www.norcalqrp.com/kits/kits.htm>>

It's intended to tune balanced antennas and feedlines, but there are mods (basically a switch to ground one side of the output) to make it single-ended:

<<http://home.woh.rr.com/n8ie/ublt.htm>>

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

> I'm beginning to believe that nothing is going to work in the location
> that I am currently in.
> Would try a ballon, but with all the UFO sightings around here, I don't
> want to add to
> the confusion.
>
> I have decided to try a short (long) wire antenna, but need a cheeeeeeeep
> tuner to go with
> it.
>
> Not looking for one that tunes by noise level. I am looking for one
> with 'meters' so that
> I'll know exactly where I stand with forward and reflected power and
> etc...ad infinitum.
>
> Any ideas or recommendations would be greatly apprciated.
>
> Laurent
> aa1qj
> Between the mountains in Arizona
>
>
>
>

Date: Mon, 7 Jul 2003 13:13:54 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [153750] RE: Btw
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428F1A@TX-MSG05-CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

Let's see - they could do

"I've got You, Babe", "Don't Go Breaking My Heart", "All My Life (can Ed sound like Aaron Neville)???"

Lee N4MVL

-----Original Message-----

From: Alex [mailto:kr1st@amsat.org]
Sent: Monday, July 07, 2003 1:42 PM
To: Low Power Amateur Radio Discussion
Subject: Btw

When you look at the pictures on:

<http://www.arrl.org/news/features/2003/06/19/2/>

...don't you agree that Nancy Victory and Ed Hare make an excellent Karaoke team? :)

73,
--Alex KR1ST

Date: Mon, 7 Jul 2003 11:23:41 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [153751] Re: Antenna Switch as radio switch
Message-ID: <20030707182341.GD441@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Jul 07, 2003 at 12:26:15PM -0400, Scott A. Thomas wrote:

> Folks,
>
> I have only 1 antenna, but several radios, so I am using an alpha delta
> antenna switch between radios. I'm wondering if this can cause damage to
> the radios, or is there enough isolation such that the transmitted signal is
> too weak to do damage. Also, is this safe/unsafe at qro as well as qrp
> levels?

I use a MFJ switch to choose between my K2 and my TS-570D(G) with no problems on either radio. The antenna port of the unselected radio is grounded through the switch. I find that I leave it connected to the K2 99+ percent of the time, but will be modifying the 570 for 60 meters

fairly soon, so it will probably get some additional use.

Bob, N7XY

Date: Mon, 7 Jul 2003 13:47:05 -0500
From: "Brian Murrey - KB9BVN" <brian@iquest.net>
To: <kr1st@amsat.org>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [153752] Re: Btw
Message-ID: <004701c344b8\$2aa62a70\$0864030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You can almost hear Ed crooning....Mooooooooooooooooon
Riiiiiiivah....wider than a mile, I'll be crosssssssing you in
style.....

I know I'll never be the same.

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, July 07, 2003 12:42 PM
Subject: Btw

> When you look at the pictures on:
>
> <http://www.arrl.org/news/features/2003/06/19/2/>
>
> ...don't you agree that Nancy Victory and Ed Hare make an excellent
> Karaoke team? :)
>
> 73,
> --Alex KR1ST
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.497 / Virus Database: 296 - Release Date: 2003-07-04

Date: Mon, 7 Jul 2003 11:47:56 -0700
From: "SGC Tech" <sgctech@sgcworld.com>
To: <qrp-1@Lehigh.EDU>
Subject: [153753] Re: 5 Meg signals
Message-ID: <02f601c344b8\$487d0550\$03000000a@SGC001200>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The FCC document FCC 03-105 is the commission's report and order which covers the new band. It was adopted April 29th and released May 14th and is available in full from the FCC's web site in PDF form. Here are the two paragraphs concerning the NTIA's input on the band allocations which address the limitations and their reasons for them. For the full report, I found it at:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-105A1.pdf

Terry
WX7S

29. The National Telecommunication and Information Administration (NTIA) objects to the proposed 5250-5400 kHz allocation. NTIA states that this band is extensively used by federal agencies, and that they need immediate access to these HF frequencies in times of emergency.⁵² NTIA states that the proposal does not offer any procedure for a federal agency to immediately reclaim a frequency for emergency use once amateur operations have been established, nor would our existing complaint process resolve interference to federal emergency operations in real time. NTIA submits that some amateur operators using some of the modes of operation proposed in the Notice may not be able to hear or recognize a federal station's attempt to communicate because of the difference in modulation types, thus the "listen-before-transmit" protocol proposed would not avoid causing harmful interference in all instances. In addition, NTIA indicates that some federal agencies in this HF band use automatic link establishment (ALE) systems that sample channels periodically to determine channel availability. It states that amateur operations on these channels would preclude ALE systems from sampling a channel successfully for the necessary propagation data, thereby eliminating an otherwise usable channel from the agency's frequency list. NTIA further submits that small Coast Guard vessels utilize low powered HF systems with inefficient antenna, and may be forced to use less optimal frequencies to perform search and rescue operations if an amateur station is

using the HF channels in this band.

30. To accommodate some amateur operations in this band, NTIA subsequently proposed that five specific frequencies, 5332 kHz, 5348 kHz, 5368 kHz, 5373 kHz and 5405 kHz, be made available to the amateur service on a secondary basis.⁵³ NTIA further proposes that the amateur transmissions on these frequencies be limited to single sideband (upper side band), suppressed carrier (SSB-SC) voice (emission designator 2K86J3E) centered around the above frequencies, and must not exceed the equivalent of 50 W PEP transmitter output power into an antenna with a gain of 0 dBd. NTIA explains that these limited frequencies and technical limits would permit sharing in this limited spectrum.

Date: Mon, 7 Jul 2003 14:18:34 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <tentec@contesting.com>
Cc: "QRP List \ (E-mail\)" <qrp-l@lehigh.edu>
Subject: [153754] Re: [TenTec] Antenna Analyzers
Message-ID: <003201c344bc\$8f4bdd40\$4e100a0a@rohredt2000>

I have the older Autek RF -1 and the MFJ 269.

The 269 has the 440 and 2m as well as HF, but is heavy and certainly a bit unwieldy to use on a tower.

The Autek HF and VHF models are shirt pocket sized, and probably a little easier on batteries. They use 9 volt battery, while the MFJ models use a large number of AA cells. It takes removing a LOT of screws to change batteries in the MFJ, while a simple snap-in cover is all that it takes to get to the 9 volt battery.

The Auteks is all digital display, which is harder to see a SWR null upon than the analog nulling meter of the MFJ. You get both digital and analog displays with MFJ, but the digital is busy LCD display. The Autek display is LED, but has a nice alternating feature that allows you to multiplex between observing two results alternately, such as SWR minimum and frequency.

The choice comes down to how you are going to use them; if you do a lot of antenna adjustment atop towers upon beams, the Autek is easier to handle up there. IF most of your antenna work is done in the lab, or on the ground, either will do, and the larger size and weight of the MFJ is not a hinderance, except for the room it takes up in a tool box going to a field

location.

I have compared accuracy of the MFJ and Autek upon known loads and they measure the same, thus I consider their results to be comparable.

If you have fingers that can manipulate the close together controls of the Autek, you will be happy with it. The MFJ with larger size, can spread controls out more. However, I find the 440 button on the MFJ can be accidentally engaged which is a problem if you are trying to do HF work.

73,

Stuart K5KVH

Date: Mon, 7 Jul 2003 15:38:10 -0400
From: "Scott A. Thomas" <qrpl@DpPros.com>
To: <qrpl@lehigh.edu>
Subject: [153755] Ungar/Archer module solder iron - Sell/trade
Message-ID: <003701c344bf\$4d0f0c60\$8801a8c0@i75k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those that use the Ungar/Old Archer modular solder iron...

I was very fortunate on Ebay recently and acquired several Ungar 23w heating elements as well as 1/8" thread-in iron-clad flat-head tips. I bought more than I need and I'm willing to part with a few. If you are in need of either, contact me directly - I'll save you a few bucks I'm sure.

Also, If you'd like to part with a handle in good condition, I could use one.

Scott

Date: Mon, 7 Jul 2003 15:46:13 -0400
From: "Bob & Janet" <jbcraft@adelphia.net>
To: <brian@iquest.net>,
"Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Subject: [153756] RE: Btw
Message-ID: <AGEJJBFLPLHMOECFDINOIEPJCFAA.jbcraft@adelphia.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WAIT, is this the SAME ED that has a voice for Morse?

Bob K8YS

00 :)

Date: Mon, 07 Jul 2003 16:27:42 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [153757] Re: Antenna Switch as radio switch - longish
Message-ID: <5.2.1.1.2.20030707151134.02ead8b0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have done this for many years Scott-including 'full' QRO when I had my Alpha 78. No rig has ever been harmed-and I have many receivers in use here. I use ONLY Daiwa 2-position and 4-position 'coaxial cavity' switches. I stress that because they're the only switches I have been satisfied with. I have NOT tried the Alpha-Delta switches, but they LOOK like they'd be fine. I have not tried the MFJ switches, but am not really pleased with their email-responses to some other issues I have had, so they're out on general principles with me. (Just trying to be thorough in explaining why and why not.)

You can easily test your switch's isolation. At your highest power level... just perform the following test:

- 1) connect the switch-under-test with position 1 (or whatever) as your selected RF source's path to the antenna;
- 2) terminate any-or every-other switch position with a 50 ohm resistor (if nothing else, put a 50 ohm resistor across a short piece of coax connected to the switch position;)
- 3) key the transmitter, and pickoff and measure the resulting signal across the resistor using an RF probe, oscilloscope, or hmbw rf probe (*1).

If an oscilloscope is used, it should have at least 20MHz BW, and preferably more. (The lower the BW, the less capable it is at 'seeing' a

40M or 20M signal.) In this case, it's an AC measurement.

If an RF probe (commercial or hmbw) the DVM/etc. is looking at a DC measurement.

The point here is not so much to get an accurate representation of what the voltage IS, but to confirm that there isn't very much of it. Arbitrarily, I'd say that if there's more than 0.5V, you're asking a lot out of the front end of whatever secondary rig you're thinking about connecting to the switch. (Since the RF probe uses a diode to rectify the RF, there's some kind of 'diode-drop' inherent to the probe... so whatever voltage you read is at least 0.3V to 0.6V higher than the reading.

Whatever reading you DO get, you should then reverse the leads of the DVM and see what kind of reading you get. Any significantly close reading to the original reading says that you're getting a LOT of RF floating around, and perhaps ought to look at your cables and ground before counting on these measurements.

Some rigs have a pair of back-to-back diodes across their input to act as a limiter in such cases... but obviously, if enough 'stuff' gets to the diodes they're going to pop-just before your front-end pops. The AMECO PT-3 self-bypassing (RF-actuated) Preamp (since it's tuned, it's really a pre-selector) uses a 100 ohm 1/8W resistor into a 0.01uFd capacitor to feed its 40673 dual-gate MOSFET active device. At the junction of the 100 ohm resistor and the 0.01 uFd cap, there is a pair of ordinary 1N914/1N4148s to ground. So... if there is ENOUGH RF to make the diodes conduct, it pops the 1/8W resistor. That is the voice of experience, believe me. (*2)

However, such a pair of diodes can give BCI problems if there is a powerful AM station within several miles-and possibly more. You can use 2 diodes in each leg of the back-to-back 'pair', raising the conduction voltage by another diode's 'drop'. And many receivers simply do not-for whatever reason-have such protection. A neon wired across the input is another possibility.

The point is that not all switches offer the same isolation. I use Daiwa because I have been very pleased with their isolation and quality. It may be that Alpha-Delta is OK. I am personally not fond of MFJ or B&W-but that's me. If the folks using them are satisfied with their performance, that's fine with me. A few simple tests like this ought to you help decide.

(*1) You can easily make your own RF probe, by using a 0.01uFd 1kV ceramic cap in series with either a 1N34/1N270 Germanium diode or some rectifier diode. The lower the voltage 'drop' of the diode, the better-so Schottky diodes are usually better than just a 1N4000-series... but it isn't critical. If you connect the anode of the diode to the capacitor, the

rectified RF will appear at the cathode of course. Place a second diode to ground at the capacitor-diode junction, but connected in an opposite polarity to the series diode. E.g. If, as 1st mentioned, the anode of D1 is connected to the cap, then the cathode of D2 should be connected there, and the anode grounded. Read the voltage as described, from the cathode of D1 to ground. *** Remember, just because you get NO READING with this device, that doesn't mean there's no voltage. It just means there's not enough to get through the diode. And in the case of this switch isolation measurement, that's a GOOD thing.

(*2) I was using this unit with my TR-7 and L-7 Amp at the time, working a lot of near-break-in CW DX on 160M (where the preamp frequently made a difference between copy and NOT-copy.) Occasionally, somehow, the 3 delays involved (the transceiver's, the preselector's, and the amplifier's) would simply get crossed. There would be a an audible pop, and the 100 ohm resistor would have been the "pop-ee". This was actually pretty reliably accomplished, and in the couple of years I operated this way, it occurred perhaps 10 times. It only took out the 40673 once. It also once took out the diodes but not the 40673. The resistor was EVERY time. Getting the Alpha 78 cured it-since the Alpha used vacuum T/R relays that were fast enough it just didn't happen again. (The Alpha keyed the TR-7.)

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 07 Jul 2003 16:51:14 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [153758] Re: Interesting Antenna -- W5GI Multiband
Message-ID: <5.2.1.1.2.20030707164300.02eb3788@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I would also like to point out that in the Open Wire Line <> coax connection (plus, really, ALL the other connections) I see no coax-seal or RTV (I don't [EVER] mean Silastic) used anywhere. I'd give this antenna about a week with one or two good rains before the braid would be getting lossy, and about a month before it would be one big low-value resistor. The fact that there is some heat-shrink tubing used is not relevant either, since I see open space around one or more of the ends-and since my experience with clear-heat-shrink tubing under UV exposure is that it goes-to-brittle very rapidly, and cracks off right after that.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

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temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Mon, 7 Jul 2003 15:23:46 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: Stuart Rohre <rohre@arlut.utexas.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [153759] Re: [TenTec] Antenna Analyzers
Message-ID: <Pine.LNX.4.44.0307071515580.10134-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I wish to note a serious fault in the Autek RF-1. A friend was using one to adjust an antenna to resonance on 10 meters. It was not working and he got to checking and found the frequency of the Autek was being pulled by the load. I brought over my MFJ and it was not pulled and made tuning up the beam a snap.

In my MFJ is 12 volts of nicad batteries which I recharge 2 or 3 times a year when needed. I do not have a battery problem like you do Stuart.

On Mon, 7 Jul 2003, Stuart Rohre wrote:

> I have the older Autek RF -1 and the MFJ 269.
>
> The 269 has the 440 and 2m as well as HF, but is heavy and certainly a bit
> unwieldy to use on a tower.
>
> The Autek HF and VHF models are shirt pocket sized, and probably a little

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 7 Jul 2003 15:44:02 -0600

From: William R Colbert <w5xe@juno.com>
To: aa1qj@earthlink.net, qrp-1@lehigh.edu
Subject: [153760] Re: Wanted: A short (long) wire tuner
Message-ID: <20030707.154404.-421647.25.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you can find an old table model tube radio laying about or maybe you already have a capacitor, get a piece of #14 or 12 house wire, strip the insulation off, wind a few turns into a coil about 1 1/2 diameter, and mount both the cap and coil on a board. Use a shorting wire with a small alligator clip from one end of the coil to tap down the coil. A chassis mount coax connector for input, a brass screw into the board to hold the end of your wire antenna and the L net tuner will do a nice job for you. Old handbooks and ham magazines have various mounting configurations for L network tuners. Much cheaper you cannot get. I suppose, if for one band, you could use a fixed cap in conjunction with the coil and adjust it for lowest swr.

Ray

"Texas can make it without the United States,
but the United States can't make it without Texas."
Sam Houston, Governor
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M GQRP-6115
ARCI-5784 NCT2R FP-111 El Paso, (FAR WEST) TEXAS

Date: Mon, 7 Jul 2003 16:54:44 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <qrp1@DpPros.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [153761] Re: Antenna Switch as radio switch
Message-ID: <007d01c344e3\$23e0dcf0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have several antennas and several rigs and so do this with two antenna selector switches connected via their commons. One switch selects an

antenna and the other directs it to a rig.

As someone said, most of these switches ground unselected inputs, so I feel well protected. I run from about 500 mw to 200 watts out from the various rigs.

Speaking of such schemes, here's one idea that sounds good. You need two rows of (for example) BNC bulkhead connectors. One row's connectors go to your various rigs. The other row goes to your various antennas. Then you need some BNC jumpers. Just jumper desired antenna to desired rig. An advantage over the selector switch scheme is that you could have more than one rig/antenna combination going at a time. But the switches are a little quicker.

72--Nick, WA5BDU

----- Original Message -----

From: "Scott A. Thomas" <qrpl@DpPros.com>

> Folks,

>

> I have only 1 antenna, but several radios, so I am using an alpha delta
> antenna switch between radios. I'm wondering if this can cause damage to
> the radios, or is there enough isolation such that the transmitted signal
is
> too weak to do damage. Also, is this safe/unsafe at qro as well as qrp
> levels?

End of QRP-L Digest 2974

